PERCEPTION & PSYCHOPHYSICS

Myron L. Braunstein, *Editor*
University of California, Irvine

Paula E. Trahan
Editorial Assistant

Associate Editors

Mary M. Hayhoe, *University of Rochester*
Philip J. Kellman, *University of California, Los Angeles*
Arthur F. Kramer, *University of Illinois at Urbana-Champaign*
Lester E. Krueger, *Ohio State University*
Neil A. Macmillan, *Brooklyn College*
Joanne L. Miller, *Northeastern University*

Consulting Editors

Lorraine G. Allan, *McMaster University*
George J. Andersen, *University of California, Riverside*
Søren Buus, *Northeastern University*
C. D. Creelman, *University of Toronto*
Howard E. Egeth, *Johns Hopkins University*
John H. Flowers, *University of Nebraska–Lincoln*
Lisa R. Fournier, *University of Illinois at Urbana-Champaign*
David E. Irwin, *University of Illinois at Urbana-Champaign*
Pierre Jolicoeur, *University of Waterloo*
Stanley Klein, *University of California, Berkeley*
Keith R. Kluender, *University of Wisconsin*
Lawrence E. Marks, *Yale University*
Jeffrey O. Miller, *University of Otago, Dunedin, New Zealand*
W. Trammell Neill, *Adelphi University*
Harold Pashler, *University of California, San Diego*
Richard E. Pastore, *State University of New York at Binghamton*
William Prinzmetal, *University of California, Berkeley*
Robert W. Proctor, *Purdue University*
Adam Reeves, *Northeastern University*
Arthur G. Samuel, *State University of New York at Stony Brook*
H. A. Sedgwick, *SUNY College of Optometry*
David L. Strayer, *University of Utah*
Jan Theeuwes, *TNO Human Factors Research Institute*
James T. Todd, *Ohio State University*
Jeremy Wolfe, *Harvard Medical School*
Steven Yantis, *Johns Hopkins University*

Volume 56

Publications Committee of the Psychonomic Society

Douglas L. Medin, Chair, *Northwestern University*
Elizabeth Loftus, *University of Washington*
Michael Domjan, *University of Texas at Austin*
Elizabeth Capaldi, *University of Florida*
Roberta L. Klatzky, *Carnegie-Mellon University*
James R. Pomerantz, *Rice University*

Publications Office of the Psychonomic Society

Ellen Woodard, *Director*
John E. Bellquist, *Editorial Coordinator*
Robert P. Sanford, *Printing Manager*
Dreanne M. Grenier, *Typography Coordinator*

Published monthly by **THE PSYCHONOMIC SOCIETY, Inc.**
1710 Fortview Road, Austin, Texas 78704
Publication No. 427920 (ISSN 0031-5117)
Second Class Postage paid at Austin, Texas
Copyright 1994 by THE PSYCHONOMIC SOCIETY, INC.

STAFF IN AUSTIN

Kathryn R. Bork
William M. Cook
Anne M. Dossett
Patricia A. Dossett
Gayle Harris
Gary J. Harrison
Michael Huebner
Diane Mankedick
Charlotte McCulloch
Claudia McNutt
Laura L. Norman
Gerard B. Pringle
Michael F. Slattery, Jr.
Gail Tosto-Geiger
C. E. Wheeless
Amanda Woods

Contents of Volume 56

Abramov, I. See Gordon, J.

Ahad, P. See Bregman, A. S.

Akerboom, S. See ten Hoopen, G.

Alain, C., & Woods, D. L. **Signal clustering modulates auditory cortical activity in humans** 501

Andre, J. T., Tyrrell, R. A., Leibowitz, H. W., Nicholson, M. E., & Wang, M. **Measuring and predicting the effects of alcohol consumption on contrast sensitivity for stationary and moving gratings** 261

Annett, S. See Folk, C. L.

Apon, I. See ten Hoopen, G.

Bäuml, K.-H. **Upright versus upside-down faces: How interface attractiveness varies with orientation** 163

Beck, J. **Interference in the perceived segregation of equal-luminance element-arrangement texture patterns** ... 424

Besson, C. See Grosjean, F.

Blasko, D. G. See Connine, C. M.

Boelaarts, L. See ten Hoopen, G.

Boltz, M. G. See Schmuckler, M. A.

Bonnel, A.-M. See Miller, J.

Bregman, A. S., Ahad, P., Kim, J., & Melnerich, L. **Resetting the pitch-analysis system: 1. Effects of rise times of tones in noise backgrounds or of harmonics in a complex tone** ... 155

Bregman, A. S. See Mondor, T. A.

Brysbaert, M. **Behavioral estimates of interhemispheric transmission time and the signal detection method: A reappraisal** 479

Cain, W. S. See de Wijk, R. A.

Cavanagh, P. See Wang, Q.

Chan, H. See Gordon, J.

Connine, C. M., Blasko, D. G., & Wang, J. **Vertical similarity in spoken word recognition: Multiple lexical activation, individual differences, and the role of sentence context** ... 624

Cornu, E. See Grosjean, F.

Craig, J. C. See Rinker, M. A.

Davis, N. S. See Uttal, W. R.

Day, R. H., & Halford, A. L. P. **Apparent misalignment of oblique coplanar bars in depth** 148

Day, R. H., & Halford, A. P. **On apparent misalignment of collinear edges and boundaries** 517

de Jong, K. J. **The correlation of P-center adjustments with articulatory and acoustic events** 447

de Wijk, R. A., & Cain, W. S. **Odor quality: Discrimination versus free and cued identification** 12

Dommergues, J.-Y. See Grosjean, F.

Donders, K. See ten Hoopen, G.

Doty, R. L., Smith, R., McKeown, D. A., & Raj, J. **Tests of human olfactory function: Principal components analysis suggests that most measure a common source of variance** ... 701

Dubé, S. See von Grünau, M.

Egeth, H. See Gibson, B. S.

Eviatar, Z., Zaidel, E., & Wickens, T. **Nominal and physical decision criteria in *same–different* judgments** 62

Fagot, J., Lacreuse, A., & Vauclair, J. **Hand-movement profiles in a tactual–tactual matching task: Effects of spatial factors and laterality** 347

Fiser, J. See Greene, E.

Folk, C. L., & Annett, S. **Do locally defined feature discontinuities capture attention?** 277

Fournier, L. R. **Selective attentional delays and attentional capture among simultaneous visual onset elements** ... 536

Fox, E. **Interference and negative priming from ignored distractors: The role of selection difficulty** 565

Friedman, A. See Hall, D. L.

Gibson, B. S., & Egeth, H. **Inhibition and disinhibition of return: Evidence from temporal order judgments** ... 669

Gibson, B. S. See Peterson, M. A.

Gilden, D. L., & Proffitt, D. R. **Heuristic judgment of mass ratio in two-body collisions** 708

Goolkasian, P. **Size scaling and its effect on letter detection** 681

Gordon, J., Abramov, I., & Chan, H. **Describing color appearance: Hue and saturation scaling** 27

Gös, A. See Heinze, H.-J.

Grant, C. L. See Humphrey, G. K.

Green, M. See Wang, Q.

Greene, E., & Fiser, J. **Classical geometric illusion effects with nonclassical stimuli: Angular induction from decomposing lines into point arrays** 575

Grosjean, F., Dommergues, J.-Y., Cornu, E., Guillelmon, D., & Besson, C. **The gender-marking effect in spoken word recognition** 590

Gruisen, A. See ten Hoopen, G.

Guillelmon, D. See Grosjean, F.

Halford, A. L. P. See Day, R. H.

Halford, A. P. See Day, R. H.

Hall, D. L., & Friedman, A. **Shape discriminations of three-dimensional objects depend on the number and location of bends** 288

Hawkins, C. See von Hippel, W.

Heinze, H.-J., Luck, S. J., Münte, T. F., Gös, A., Mangun, G. R., & Hillyard, S. A. **Attention to adjacent and separate positions in space: An electrophysiological analysis** ... 42

Herbert, A. M. See Humphrey, G. K.

Hillyard, S. A. See Heinze, H.-J.

Hohne, E. A., & Jusczyk, P. W. **Two-month-old infants' sensitivity to allophonic differences** 613

Holleran, S. See:

Palmer, C.

Yee, W.

Holley, A. See Jehl, C.

Houtsma, A. J. M. See Ross, J.

Humphrey, G. K., Skowbo, D., Symons, L. A., Herbert, A. M., & Grant, C. L. **Text-contingent color aftereffects: A reexamination** 405

Humphries, S. A., Long, N. R., & Johnson, M. H. **Iontophoretically applied potassium ions as an experimental pain stimulus for investigating pain mechanisms** 637

Huser, S. J. See Sawyer, T. F.

Jehl, C., Royet, J.-P., & Holley, A. **Very short term recognition memory for odors** 658

Jiang, Y., & Mark, L. S. **The effect of gap depth on the perception of whether a gap is crossable** 691

Johnson, M. H. See Humphries, S. A.

Jones, M. R. See Yee, W.

Jusczyk, P. W. See Hohne, E. A.

Kappers, A. M. L., Koenderink, J. J., & Lichtenegger, I. **Haptic identification of curved surfaces** 53

Kawato, M. See Pollick, F. E.

Kehrer, L. See Meinecke, C.

Kim, J. See Bregman, A. S.

Koenderink, J. J. See Kappers, A. M. L.

Koike, Y. See Pollick, F. E.

Koriat, A. **Object-based apparent motion** 392

Kramer, A. F. See Todd, S.

Kuwano, S., Namba, S., Yamasaki, T., & Nishiyama, K. **Impression of smoothness of a sound stream in relation to legato in musical performance** 173

Lacreuse, A. See Fagot, J.

Lavie, N., & Tsal, Y. **Perceptual load as a major determinant of the locus of selection in visual attention** 183

Lea, A. P., & Summerfield, Q. **Minimal spectral contrast of formant peaks for vowel recognition as a function of spectral slope** 379

Leibowitz, H. W. See Andre, J. T.

Levitin, D. J. **Absolute memory for musical pitch: Evidence from the production of learned melodies** 414

Lichtenegger, I. See Kappers, A. M. L.

Long, G. M., & Toppino, T. C. **Adaptation effects and reversible figures: A comment on Horlitz and O'Leary** ... 605

Long, N. R. See Humphries, S. A.

Loosen, F. **Tuning of diatonic scales by violinists, pianists, and nonmusicians** 221

Luck, S. J. See Heinze, H.-J.

Mangun, G. R. See Heinze, H.-J.

Mark, L. S. See Jiang, Y.

McKeown, D. A. See Doty, R. L.

Meinecke, C., & Kehrer, L. **Peripheral and foveal segmentation of angle textures** 326

Melara, R. D., & Mounts, J. R. W. **Contextual influences on interactive processing: Effects of discriminability, quantity, and uncertainty** 73

Melnerich, L. See Bregman, A. S.

Meyers, P. J. See Sawyer, T. F.

Miller, J., & Bonnel, A.-M. **Switching or sharing in dual-task line-length discrimination?** 431

Mondor, T. A., & Bregman, A. S. **Allocating attention to frequency regions** 268

Moore, C. M. **Negative priming depends on probe-trial conflict: Where has all the inhibition gone?** 133

Erratum 721

Mounts, J. R. W. See Melara, R. D.

Mul, N. See ten Hoopen, G.

Münte, T. F. See Heinze, H.-J.

Namba, S. See Kuwano, S.

Nicholson, M. E. See Andre, J. T.

Nishida, S. See Pollick, F. E.

Nishiyama, K. See Kuwano, S.

Ono, H. See Tam, W. J.

Palmer, C., & Holleran, S. **Harmonic, melodic, and frequency height influences in the perception of multivoiced music** 301

Parker, S., & Schneider, B. **The stimulus range effect: Evidence for top-down control of sensory intensity in audition** 1

Peterson, M. A., & Gibson, B. S. **Object recognition contributions to figure–ground organization: Operations on outlines and subjective contours** 551

Pollick, F. E., Nishida, S., Koike, Y., & Kawato, M. **Perceived motion in structure from motion: Pointing responses to the axis of rotation** 91

Predebon, J. **Perceived size of familiar objects and the theory of off-sized perceptions** 238

Proffitt, D. R. See Gilden, D. L.

Raj, J. See Doty, R. L.

Rinker, M. A., & Craig, J. C. **The effect of spatial orientation on the perception of moving tactile stimuli** 356

Ross, J., & Houtsma, A. J. M. **Discrimination of auditory temporal patterns** 19

Royet, J.-P. See Jehl, C.

Sawyer, T. F., Meyers, P. J., & Huser, S. J. **Contrasting task demands alter the perceived duration of brief time intervals** 649

Schellenberg, E. G., & Trehub, S. E. **Frequency ratios and the discrimination of pure tone sequences** 472

Schifferstein, H. N. J. **Sweetness suppression in fructose/citric acid mixtures: A study of contextual effects** ... 227

Schmuckler, M. A., & Boltz, M. G. **Harmonic and rhythmic influences on musical expectancy** 313
Schneider, B. See Parker, S.
Skowbo, D. See Humphrey, G. K.
Smith, R. See Doty, R. L.
Summerfield, Q. See Lea, A. P.
Symons, L. A. See Humphrey, G. K.

Takeuchi, A. H. **Maximum key-profile correlation (MKC) as a measure of tonal structure in music** 335
Tam, W. J., & Ono, H. **Fixation disengagement and eye-movement latency** 251
ten Hoopen, G., Boelaarts, L., Gruisen, A., Apon, I., Donders, K., Mul, N., & Akerboom, S. **The detection of anisochrony in monaural and interaural sound sequences** 110
Thompson, W. F. **Sensitivity to combinations of musical parameters: Pitch with duration, and pitch pattern with durational pattern** 363
Todd, S., & Kramer, A. F. **Attentional misguidance in visual search** 198
Toppino, T. C. See Long, G. M.
Trainor, L. J., & Trehub, S. E. **Key membership and implied harmony in Western tonal music: Developmental perspectives** 125
Trehub, S. E. See:
Schellenberg, E. G.
Trainor, L. J.
Tsal, Y. See Lavie, N.
Tyrrell, R. A. See Andre, J. T.

Uttal, W. R., Davis, N. S., & Welke, C. **Stereoscopic perception with brief exposures** 599

Vauclair, J. See Fagot, J.
von Grünau, M., & Dubé, S. **Visual search asymmetry for viewing direction** 211
von Hippel, W., & Hawkins, C. **Stimulus exposure time and perceptual memory** 525

Wang, J. See Connine, C. M.
Wang, M. See Andre, J. T.
Wang, Q., Cavanagh, P., & Green, M. **Familiarity and pop-out in visual search** 495
Welke, C. See Uttal, W. R.
Wickens, T. See Eviatar, Z.
Woods, D. L. See Alain, C.

Yamasaki, T. See Kuwano, S.
Yee, W., Holleran, S., & Jones, M. R. **Sensitivity to event timing in regular and irregular sequences: Influences of musical skill** 461

Zaidel, E. See Eviatar, Z.

FORTHCOMING ARTICLES

Perception & Psychophysics Articles in Press 121
248
375
491
611
722

NOTICES AND ANNOUNCEMENTS

35th Annual Meeting of the Psychonomic Society 250
377
494
International Symposium on Musical Acoustics—ISMA '95 250
The Compilation of a History of the Psychonomic Society 377
494